In the top-right corner, handwritten: 8/10/04

In the claims:

Claims 1-7 cancelled.

8. (New) A method of influencing the body, comprising the steps of registering physical parameter biopotentials; transforming and processing of obtained data to calculate a biosignal characteristic generalized parameter; transforming the biosignal characteristic generalized parameter on the basis of detected criterial correspondence into a control signal and forming an external sound effect; implementing the external sound effect in the form of generation of musical sounds by a parametric variation tone, volume and duration thereof in criterial relation to variation of discrete current values of the characteristic generalized parameter of a frequency spectrum of the transformed biosignal; isolating from register graphic information time intervals of identical duration and transforming the time intervals using Fourier harmonic analysis into a frequency spectrum; isolating common frequent ranges (Δ, Θ, δ, β) persuant to an internal standard Δ=0.1-3.9 Hz, Θ = 4.0-7.9 Hz, δ = 8.0-12.9 Hz, β = 13.0-32.0 Hz; determining a dimensionless generalized characteristic parameter for each spectral interval with respect to power spectral densities (of Θ and Δ intervals, namely:

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$$K_1 = P_1 \frac{P\Theta}{\beta} = \frac{15.0}{30.0} = 0.5 \text{ for } 1^{st} \text{ second}$$

$$K_2 = \frac{P_2\Theta}{P_2\beta} = \frac{42.0}{20.0} = 2.1 \text{ for } 2^{nd} \text{ second}$$

$$K_3 = \frac{P\Theta}{P_3\beta} = \frac{54.0}{12.0} = 4.5 \text{ for } 3^{rd} \text{ second}$$

$$K_4 = \frac{P_4\Theta}{P_4\beta} = \frac{76.0}{20.0} = 3.8 \text{ for } 4^{th} \text{ second}$$

$$K_5 = \frac{P_5\Theta}{P_5\beta} = \frac{81.4}{11.0} = 7.4 \text{ for } 5^{th} \text{ second}$$

$$K_6 = \frac{P_6\beta}{P_6\beta} = \frac{105.0}{10.0} = 10.5 \text{ for } 6^{th} \text{ second}$$

$$K_7 = \frac{P_7\Theta}{P_7\Theta} = \frac{78.4}{93} = 0.8 \text{ for } 7^{th} \text{ second}$$

$$K_8 = \frac{P_8\Theta}{P_8\beta} = \frac{101.8}{55} = 18.5 \text{ for } 8^{th} \text{ second}$$

$$K_9 = \frac{P_9\Theta}{P_9\beta} = \frac{51.0}{8.5} = 6.0 \text{ for } 9^{th} \text{ second}$$

$$K_{10} = \frac{P_{10}\Theta}{P_{10}\beta} = \frac{135.0}{6.0} = 12.5 \text{ for } 10^{th} \text{ second}$$

wherein K is a dimensionless generalized parameter and $P\Theta$, $P\beta$ is spectral density of characteristic band power (sq.μV\sec); on the basis of calculation results determining a numerical interval between a minimum ($K_1 = 0.5$) and a maximum ($K_9 = 18.5$) values of generalized characteristic parameter, where drawn in a proportional range of musical sound parameters including 36 notes of three octaves for piano, 8 volume gradations, and 8 duration segments which

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reflects criterial relation among them; using a numerical value of the generalized dimensionless parameter of each spectral interval to determine appropriate parameters of musical sound, which in a sequence appropriate to original recorded alternation of time intervals are transformed by a sound card into a brain music; recording the brain music on a magnetic medium; and using an external sound effect of the brain music for a music therapy.

9. (New) A method as defined in claim 8; further comprising determining the generalized dimensionless parameter by a ratio of power spectral densities of at least two characteristic frequency bands selected in the each spectral interval.

10. ' (New)   A method of influencing the body, comprising the steps of registering physical parameter biopotentials; transforming and processing of obtained data to calculate a biosignal characteristic generalized parameter; transforming the biosignal characteristic generalized parameter on the basis of detected criterial correspondence into a control signal and forming an external sound effect; implementing the external sound effect in the form of generation of musical sounds by a parametric variation tone, volume and duration thereof in criterial relation to variation of discrete current values of the

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characteristic generalized parameter of a frequency spectrum of the transformed biosignal; isolating from register graphic information time intervals of identical duration and transforming the time intervals using Fourier harmonic analysis into a frequency spectrum; isolating common frequent ranges; pursuant determining a dimensionless generalized characteristic parameter for each spectral interval with respect to power spectral densities; on the basis of calculation results determining a numerical interval between a minimum and a maximum values of generalized characteristic parameter, where drawn in a proportional range of musical sound parameters including 36 notes of three octaves for piano, 8 volume gradations, and 8 duration segments which reflects criterial relation among them; using a numerical value of the generalized dimensionless parameter of each spectral interval to determine appropriate parameters of musical sound, which in a sequence appropriate to original recorded alternation of time intervals are transformed by a sound card into a brain music; recording the brain music on a magnetic medium; and using an external sound effect of the brain music for a music therapy.

11. (New) A method of influencing the body, comprising the steps of registering physical parameter biopotentials; transforming and processing of obtained data to calculate a biosignal characteristic generalized parameter; transforming the biosignal characteristic generalized parameter on the basis of

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detected criterial correspondence into a control signal and forming an external sound effect; implementing the external sound effect in the form of generation of musical sounds by a parametric variation tone, volume and duration thereof in criterial relation to variation of discrete current values of the characteristic generalized parameter of a frequency spectrum of the transformed biosignal; isolating from register graphic information time intervals of identical duration and transforming the time intervals using Fourier harmonic analysis into a frequency spectrum; determining a generalized characteristic dimensionless parameter from each spectral interval; forming a proportional range of musical sound parameters between minimum and maximum diameters of the generalized dimensionless parameters; determining appropriate values of sound tone, volume and duration from each spectral interval by numerical value of its generalized dimensionless parameter; transforming the appropriate values of sound tone, volume and duration by a synthesizer into sound signals formed in a sequence that corresponds to initially recorded discrete current alternation of time intervals; and implementing the determination of the generalized dimensionless parameter by ratio of power spectral density of at least two characteristic frequency bands isolated in each spectral interval.

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Please provide the following new abstract of the disclosure:

A method of influencing the body has the steps of registering physical parameter biopotentials, transforming and processing of obtained data to calculate a biosignal characteristic generalized parameter, transforming the biosignal characteristic generalized parameter on the basis of detected criterial correspondence into a control signal and forming an external sound effect, implementing the external sound effect in the form of generation of musical sounds by a parametric variation tone, volume and duration thereof in criterial relation to variation of discrete current values of the characteristic generalized parameter of a frequency spectrum of the transformed biosignal.

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